

December 11, 2025

**FINANCIAL ASSISTANCE CENTER
FINDING OF NO SIGNIFICANT IMPACT/ENVIRONMENTAL ASSESSMENT**

TO: ALL INTERESTED GOVERNMENT AGENCIES AND PUBLIC GROUPS

In accordance with procedures for environmental review found at 10 CSR 20-4.050, the department has performed our review on the proposed action below:

PROJECT INFORMATION:

Project Identification: Olson Acres Sanitary Sewer Extension (Regionalization with the City of Belton Wastewater Treatment Facility)

Applicant: City of Belton

Project No.: C295938-01

City: Belton

County: Cass

State: Missouri

Total Project Amount: \$2,149,190

Total Clean Water State Revolving Fund Eligible Costs: \$2,074,190

- Potential Grant: \$2,074,190

COMMUNITY DESCRIPTION:

Location: Olson Acres Subdivision is located in Cass County, Missouri, south of the city limits of Belton, Missouri, near 187th Street and Mullen Road. The legal description of the site is: Northeast Quarter of the Northeast Quarter, Section 25, Township 46, Range 33, Cass County, Missouri.

Population, Present and Projected, and Design Year: The Olsen Acres Subdivision wastewater treatment facility (WWTF) serves 25 residences with a future planned 180 additional residences. This development would occur most likely in a phased approach, with build out estimated by 2050.

Current Methods of Waste Treatment: The WWTF consists of a single lagoon with a peak flow of 0.073 cubic feet per second, and a daily flow of 11,100 gallons per day. The surface dimensions of the lagoon are estimated as 150 feet by 200 feet. Sewage flows by gravity from the residences to the lagoon. The connections from each home lateral to the single



lagoon are not located and are assumed connected piecemeal. The fencing around the lagoon is largely covered with woody vegetation and the lagoon's surface is covered with duckweed.

PROJECT DESCRIPTION:

Purpose and Need: The Olson Acres lagoon is currently operating without a Missouri State Operating Permit (MSOP) and is under enforcement action. The facility is not currently authorized to discharge. The current system cannot handle any potential future flows if this subdivision was to grow or if the City of Belton annexed it in the future. The system is currently failing and must be addressed to meet the needs of the public.

Description of Project: This project includes construction of a new lift station which will replace the existing surface lagoon and pump wastewater from Olson Acres Subdivision. The City of Belton has approved acceptance of sewer flow via regionalization from Olson Acres. The wastewater will be pumped through a new force main to and along 187th Street continuing east across Mullen Road to connect into the East Creek Interceptor. The proposed lift station and force main will be constructed prior to decommissioning of the existing lagoon. This project includes all necessary appurtenances to complete the project.

Design Factors: This project includes construction of a new lift station on North Cass County Waste Management Sewer District (NCWMSD) property at 18702 South Garden Avenue, Belton, MO 64012. The average and peak flow rate of the Olsen Acre Subdivision is respectively 5 gallons per minute and 15 gallons per minute. Force main improvements include installing a flow meter manhole, 1,212 linear feet of 4-inch pressure pipe, and 573 linear feet of 4-inch HDD pressure pipe. Lift station improvements include installing fencing, backup generator, electrical distribution, 1,043 linear feet of 8-inch gravity sewer, 3,184 linear feet of 10-inch gravity sewer, 21 4-inch lateral replacements, 21 manholes, wet well, and packaged lift station. The lift station will have the capacity of 150 GPM to accommodate the current and future projected flows.

Receiving Stream: The wastewater flow from the Olson Acres will be regionalized into the Belton WWTF, which has the capacity to receive additional flow from Olson Acres.

ALTERNATIVES CONSIDERED:

Wastewater Treatment

Not Selected, Alternative No. 1: No Action – Because the Olson Acres lagoon is currently operating without a MSOP and is under enforcement action, the facility is not authorized to discharge. Doing nothing is not a feasible option because the current lagoon is trending toward failure and poses health and environmental risk if it fails.

Not Selected, Alternative No. 2: Land Application – Slow-rate irrigation has been considered as a potential land application option. The area required for land application is 1.4 acres and the NCWMSD owns six acres of land within the subdivision. This option is not selected due

to potential health hazards to the public and the level of uncertainty of having a local landowner interested in this. The total construction cost of Alternative 2 is \$1,000,990.

Not Selected, Alternative No. 3: Surface Irrigation – Approximately 3.1 acres of land would be needed to accommodate the septic tank storage and subsurface irrigation. The total construction cost of Alternative 3 is \$1,078,800. This alternative was rejected because of the amount of land needed, the requirements of the system, and the lack of NCWMSD staffing to maintain this type of system.

Not Selected, Alternative No. 4: Regionalization by Gravity – This alternative proposes a network of 8-inch gravity sewer lines that will flow to a manhole that is connected to the City of Belton’s transmission line. This alternative was designed preliminarily and during geotechnical investigations, rock depth was encountered within the first 10 feet of each boring. To install the required gravity main, it would require extensive rock excavation that would increase the estimated cost by 50-100 percent. Due to cost constraints and the constructability of this alternative, it was rejected. The total construction cost of Alternative 4 is approximately \$3,000,000.

Selected, Alternative No. 5: Regionalization by Force Main – This option includes construction of a lift station that will replace the existing surface lagoon and pump wastewater through a 4-inch force main following 187th Street easterly across Mullen Road to tie into the existing East Creek Interceptor at City of Belton Manhole #12I-MH008. When the lagoon is decommissioned, it will be dredged, plugged, regraded, and revegetated to promote positive drainage to the downstream creek from Olson Acres Subdivision. The total construction cost of Alternative 4 is \$1,954,416.

REASONS FOR SELECTION OF PROPOSED ALTERNATIVE:

After analysis of alternatives, it was determined that Regionalization by Force Main is the most feasible solution to the issues. The City of Belton has approved acceptance of sewer flow via regionalization from Olson Acres. While other alternatives were less expensive, this alternative proved to be best solution because it connects into the City of Belton’s system, it does not affect any homeowners’ health, it does not require additional land for development of the system, does not require extensive rock excavation, and it is sized adequately to meet any potential future growth.

ENVIRONMENTAL IMPACT SUMMARY:

1. **Primary:**
 - a. **Construction:** Temporary surface disruption, blowing dust, and noise from vehicles and equipment will occur during construction, but the City of Belton expects these impacts to be minor and temporary in nature.
 - b. **Environmental:** This project will eliminate the health hazards due to overflows. Currently the sanitary lagoon system is not in compliance with the rules and

regulations that permit sanitary sewer systems. Correcting these issues will provide a compliant sanitary sewer system for those in the Olson Acres Subdivision.

- c. Financial: Assuming a monthly water usage of 5,000 gallons, a residential user outside of the City of Belton sewer system using the winter month average method will pay a monthly sewer rate of \$109.30.

2. Secondary:

- a. Population Impacts: City of Belton anticipates no significant change in population trends resulting from this project beyond the planned growth of Olson Acres Subdivision. No significant relocation of people or structures are expected to result from this project. This project will not serve any additional areas beyond Olson Acres Subdivision.
- b. Land use and Trends: City of Belton anticipates no significant change in land use trends resulting from this project. City of Belton expects no development of sensitive areas.
- c. Environmental: City of Belton does not expect secondary environmental impacts caused by this project.

3. Mitigation Measures Necessary to Eliminate Adverse Environmental Effects: Best Management Practices and good engineering practices should minimize noise, blowing dust, and erosion normally associated with construction. Belton will promptly restore disturbed areas.

To minimize impact to bat species in the region, if tree clearing is required for the project, the time frame for clearing will be limited to between November 1st and March 31st per the guidelines of the U.S. Fish and Wildlife Service. The Missouri Department of Conservation recommended to have a buffer of at least 660 feet between project area and nests of bald eagles to avoid the incidental take of bald eagles. If project activities are within 660 feet of the nest, the activities should be restricted during the nesting season of January 1- July 15. Also, no nest or nest trees for bald eagles should be cleared. If any work occurs within a water body, boats and machinery will be drained, cleaned and rinsed to avoid the spread of invasive species.

4. Irreversible and Irretrievable Commitment of Resources: Fuel and construction materials will be irretrievably committed to this project. Future funds will be committed to the operation and maintenance of the system.

PUBLIC PARTICIPATION:

1. Public Involvement: Belton held a public meeting on November 21, 2025, at the City of Belton's Public Works Facility, Building A, 700 Seabee Road, in Belton, Missouri.
2. Public Opposition or Opinions: The public expressed no adverse opinions to the project.

COORDINATION AND DOCUMENTATION WITH OTHER AGENCIES AND SPECIAL INTEREST GROUPS:

1. Facility Plan Dated: October 2022. An addendum was submitted dated October 2025
Prepared By: Great River Engineering and Wilson & Company, Inc., Engineers & Architects
Environmental Assessment: December 2025
Prepared By: Wilson & Company, Inc., Engineers & Architects
2. Federal:
 - a. U.S. Fish and Wildlife Service (USFWS)
 - b. U.S. Army Corps of Engineers (USACE)
3. State:
 - a. Missouri DNR – State Historic Preservation Office
 - b. Missouri DNR – Missouri Geological Survey
 - c. Missouri DNR – Division of State Parks
 - d. Missouri Department of Conservation
 - e. Missouri Office of Administration – Federal Assistance Clearinghouse
4. Consulting Engineer: Wilson & Company, Inc., Engineers & Architects
800 East 101st Terrace, Suite 200
Kansas City, MO 64131
5. In accordance with the National Historic Preservation Act Section 106, notice was given to all tribes that may attach a religious or cultural significance to historic properties in the region that may be affected by this undertaking.

Positive Environmental Effects to be Realized from the Proposed Project: This project will eliminate the health hazards due to overflow. Currently the sanitary lagoon system is not in compliance with the rules and regulations that permit sanitary sewer systems. Correcting these issues will provide a compliant sanitary sewer system for those in the Olson Acres Subdivision.

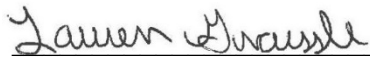
Reasons for Concluding There Will Be No Significant Impacts: The proposed project will have a positive impact on water quality and will not result in any significant adverse impacts on rare or endangered species, floodplains, wetlands, recreational areas, cultural/archaeological sites, or air quality. Population densities and land use trends will not be significantly affected. Appropriate mitigation measures will be implemented for minor impacts, which are expected to be temporal in nature.

This action is taken on the basis of a careful review of the facility plan and supporting documentation on file in the office of the Missouri Department of Natural Resources' Financial Assistance Center at 1101 Riverside Drive, Jefferson City, MO 65101. These are available for public review upon request Monday-Friday, 8:00 a.m. to 5:00 p.m. This agency will not take any administrative action on this project for at least 30 calendar days from the date of this document.

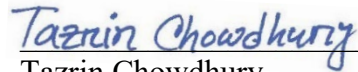
Persons wishing to comment on the above environmental decision may submit comments to Tazrin Chowdhury of the Department of Natural Resources, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176, during this period. E-mail comments will be accepted at the following address: DNR.SRFPublicNotice@dnr.mo.gov. Please include the project name and number in all comment letters. Thank you.

Sincerely,

FINANCIAL ASSISTANCE CENTER



Lauren Graessle, P.E.
Director



Tazrin Chowdhury
Project Review Engineer

LG:tcb

Attachments

December 11, 2025

Date

DISTRIBUTION

Missouri Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

Conservation Federation of Missouri
728 West Main Street
Jefferson City, MO 65101

U.S. Environmental Protection Agency
c/o Ann D'Alfonso – WWPD/SRFB
Email: dalfonso.ann@epa.gov

Missouri Department of Natural Resources
Missouri Geological Survey
Environmental Geology Section
P.O. Box 250
Rolla, MO 65402-0250

Missouri Department of Natural Resources
Division of State Parks
State Historic Preservation Office
P.O. Box 176
Jefferson City, MO 65102-0176

U.S. Fish and Wildlife Service
Ecological Services
Email: John_S_Weber@fws.gov

National Park Service
Midwest Region
Email: mwro_compliance@nps.gov

USDA Rural Development
601 Business Loop 70 West
235 Parkade Center
Columbia, MO 65203

Gilmore and Bell, P.C.
c/o Shannon Walsh Creighton
One Metropolitan Square
211 North Broadway, Suite 2000
St. Louis, MO 63102-2741

SRF File C295938-01

City of Belton
c/o Greg Rokos, P.E.
Public Works Director
506 Main Street
Belton, MO 65012

Wilson & Company, Inc., Engineers & Architects
c/o Darren Meyer, P.E.
800 East 101st Terrace, Suite 200
Kansas City, MO 64131

Missouri Department of Natural Resources
Kansas City Regional Office
200 Unity Circle North, Suite 2A
Lee's Summit, MO 64086-6018

North Cass Herald, LLC
120 Main Street
Belton, MO 64012

Environmental Protection Agency
Office of Federal Activities
Ariel Rios (2252A)
1200 Pennsylvania Avenue, N.W.
Washington, DC 20004

Council of Environmental Quality
722 Jackson Place, N.W.
Washington, DC 20503

U.S. Army Corps of Engineers
Kansas City District
Missouri State Regulatory Office
regulatory.missouristate@usace.army.mil

Mid-America Regional Council
600 Broadway, Suite 200
Kansas City, MO 64105

Lewis Rice
c/o David Brown
600 Washington Avenue, Suite 2500
St. Louis, MO 63101

Apache Tribe of Oklahoma
c/o Darrin Cisco, Cultural Specialist
Email: darrin.cisco@apachetribe.org

Kaw Indian Nation of Oklahoma
c/o Emily Douglas
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Miami Tribe of Oklahoma
c/o Logan York, THPO
Email: thpo@miamination.com

Osage Nation
c/o Dr. Andrea A. Hunter, THPO
Email: s106@osagenation-nsn.gov

Ottawa Tribe of Oklahoma
c/o Rhonda Hayworth, THPO
Email: rhonda.oto@gmail.com

Ponca Tribe of Nebraska
c/o Theresa Foley, THPO
Email: tfoley@poncatribene.gov

Ponca Tribe of Oklahoma
c/o Liana Hesler, THPO
Email: 106notifications@ponca-nsn.gov

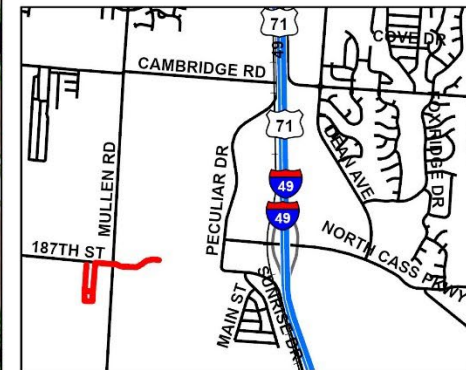
Shawnee Tribe
c/o Rosanna Dobbs
Email: section106@shawnee-tribe.com

Wyandotte Nation
c/o Sherri Clemons, THPO
Email: sclemons@wyandotte-nation.org



Project Location Map

City of Belton



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